WUB1500

IEEE802.11b
Wireless USB Adapter

A wireless LAN links network users to LAN services without the hassle of cabling or wiring, which significantly brings mobile workers the freedom of staying connected to the network while roaming around a building or multiple buildings maintaining access to the Internet, e-mail, networked applications, and print services.

This device is the perfect solution for your wireless network applications based on the IEEE 802.11b standard that offers a data rate up to 11Mbps in a wireless LAN environment. It is a high-speed wireless network card that plugs into your notebook or desktop PC and accesses to the LAN or peer-to-peer networking easily without wires or cables. Whether you're at your desk or in the boardroom, it allows you to share printers, files, and other network resources.
The USB adapter is designed for a USB type A port of a laptop or desktop computer for creating a wireless workstation.

FEATURES

- Compliant with IEEE802.11b standard for 2.4GHz Wireless LAN
- USB 1.1 compliant
- USB Plug & Play
- Interoperable with existing network infrastructure
- Secure information transmission
- Freedom to roam while staying connected
- Compatible with specialty wireless products and services
- Up to 11Mbps data rate
- External Antenna is built in the card with LEDs indication
- Low power consumption
- Easy to install and configure

SPECIFICATIONS

LED Indicators

- Power: Green, ON
- Receive (Rx): Green, ON
- Transmit (Tx): Green, ON

Power Requirement

- Operating Voltage: 5V DC
- TX consumption: 450mA (Max)
- RX consumption: 300mA (Max)

Physical specification

- Weight: 50 g
- Dimension: 110 (L) x 60(W) x 2.5 (H) mm

Supported OS

- Windows 98SE
- Windows ME
- Windows 2000
- Windows XP

Environment Specification

- Operating Temperature: 0~60 ℃ ambient temperature
- Storage Temperature: -20~75 ℃ ambient temperature
- Operating humidity: 95% maximum (non-condensing)
- Storage humidity: 95%% maximum (non-condensing)

EMI Certification

- FCC Part15 in US
- EN300328 and EN300826 (EN301489-17) in Europe

Wireless Specification

Standard	IEEE 802.11b, Wi-Fi compliant
Host Interface	USB 1.1
Antenna	External Antenna, rotating angle 0° to 90°
Frequency Range	2.412GHz ~ 2.4835GHz
Number of Selectable Channels	USA, Canada: 11 channels Japan: 14 channels Europe: 13 channels
Modulation Technique	Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
Security	0/64/128 bit WEP
Spreading	11 chip Barker sequence
Bit Error rate	Better than 10^{-5}
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK

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